FEDERAL ITEM IDENTIFICATION GUIDE

RADIO NAVIGATION EQUIPMENT

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Commander

Defense Logistics Information Service

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BEACON, DISTRESS	68034	DC

A manually or automatically activated device which is part of a satellite system. When activated, it is designed to transmit a distress signal to locate a person, a boat or an aircraft needing rescue.

BEACON, RADIO	00500	CC

A component specifically designed to radiate electromagnetic waves in space to indicate its geographical location to vessels or aircraft by means of predetermined coded signals. Ranging and tracking facilities are not provided. See also TRANSMITTER, RADIO; and TRANSMITTING SET, RADIO.

BEACON SET, RADIO	19518	CC

A complete electronic set specifically designed to radiate electromagnetic waves in space to indicate its geographical location to vessels or aircraft by means of predetermined coded signals. Ranging and tracking facilities are not provided. See also TRANSMITTER, RADIO; and TRANSMITTING SET, RADIO.

BUOY, RADIO TRANSMITTING	19435	DC

A water buoyant item containing a complete electronic transmitting set for propagating radio frequency electromagnetic waves in space. For similar items which contain a hydrophone or similar transducer, see SONOBUOY.

DECODER-RECEIVER	60379	CE

A component which performs the dual functions of receiving and/or intercepting impulses transmitted in accordance with a predetermined combination and converting them into an electronic command signal.

DECODER-RECEIVER, FLIGHT TERMINATION	52971	CE

A unit designed to receive and decode signals and convert them into electronic commands. It is used to terminate the flight of a missile, space vehicle, rocket, and the like, by issuing a destruct command. Excludes DECODER-RECEIVER.

DECODER-RECEIVER SET	60381	CE

A complete set which performs the dual functions of receiving and/or intercepting impulses transmitted in accordance with a predetermined combination and converting them into an electronic command signal.

DEMODULATOR	62173	CE

A device which detects modulated signals, removes the carrier signal and reconstitutes the intelligence.

Approved Item Name	INC	App Key
DIRECTION FINDER SET	19509	CE

A complete electronic set specifically designed to orientate the source of electromagnetic waves propagated by a transmitter(s).

EQUALIZER, RECEIVER GAIN	60446	DB

An item that electrically maintains the gain of an item, such as a radar or radio receiver, at a predetermined or optimum level throughout its tuning range. Excludes items that provide direct current voltages proportional to received carrier strength for purposes of automatic volume control.

HOMING GROUP, RADIO	19510	CE

A collection of items, two or more being major electrical-electronic components, which when added to a radio receiving set provides visual and/or aural facilities whereby the pilot may steer the craft in which it is installed on a straight line course to the radio transmitting set or radio beacon to which the equipment is adjusted.

RADIO SET, PERSONNEL LOCATOR	67921	DA

A collection of airborne electronic equipment designed to quickly and precisely locate survivors equipped with compatible transmitters. May include a receiver-transmitter specifically designed to accept the signal of a coordinated data transmitter and reconvert this signal into suitable electronic format for input to associated equipment, such as plotting board, computer, or a radar set. It provides the rescue team with the terminal area communication, identification, direction and distance to the survivor's radio.

RADIO TERMINAL SET	19552	CA

A fixed number of components and/or items not all having the same basic name, which performs the transition of wire to radio and radio to wire on a full duplex broad band basis, multichannel voice, telegraph, teletypewriter, facsimile and/or equivalent signals. See also TERMINAL (2) (as modified).

Receiver

1. A component specifically designed to intercept and demodulate signals propagated by a transmitter. It may include facilities for presenting intelligence, such as sound output, indicator, or recorder.

RECEIVER (1), COORDINATE DATA	11465	DB

A receiver specifically designed to accept the signal of a coordinated data transmitter and reconvert this signal into a form suitable for input to associated equipment, such as plotting board, computer, or a radar set. Excludes RECEIVER, DIGITAL DATA.

RECEIVER (1), INSTANTANEOUS FREQUENCY MEASUREMENT	48175	DB

A receiver which determines the frequency of a signal at the instant it is picked up anywhere in the frequency band it covers. Generally used for pulse-modulated signals, it may put out digital data on frequency, amplitude, pulsewidth, and/or time of arrival, as well as other information derived from the received signal.

Approved Item Name	INC	App Key
RECEIVER (1), LORAN	19523	EA

A receiver for signals from an electronic system of hyperbolic navigation utilizing a minimum of three shore-based transmitters. The "master" station transmits a pulse, which is radiated into space, and also triggers through precise time delay circuits the "slave" stations, so as to produce electromagnetic "fixes" for navigational use of surface vessels and aircraft. Transmitters are self-triggered, navigation charts are required, and usable data is developed by interpolation between display data and associated charts.

RECEIVER (1), ORDER WIRE	11103	DB

A receiver specifically designed to provide circuits for administration and maintenance in connection with a radio relay system.

RECEIVER-PROCESSOR, RADAR	67982	CA

A single unit that receives and processes radar band signal (s) for use at the radar system indicator(s).

RECEIVER (1), RADIO	19438	DB

A receiver used for reception of radio frequency electromagnetic waves transmitted through space exclusive of countermeasure, facsimile, loran, radar, television, and other specialized systems.

RECEIVER (1), RADIO IDENTIFICATION	53207	DB

A single unit specifically designed to receive radio frequency energy of a specific aircraft or ship. This unit may be a stand-alone type unit or form part of a receiver-transmitter, radio identification.

RECEIVER (1), RADIO NAVIGATION	53206	DB

A receiver used for reception of radio frequency electromagnetic wave transmitted through space. See RECEIVER as modified.

RECEIVER-TRANSMITTER, COUNTERMEASURES	37746	DA

A single component capable of performing the functions of a RECEIVER (1), COUNTERMEASURES and TRANSMITTER, COUNTERMEASURES.

RECEIVER-TRANSMITTER, ORDER WIRE	09781	DA

An item specifically designed to provide a two-way circuit for administration and maintenance in connection with a telephone carrier system. May include facilities for signaling.

RECEIVER-TRANSMITTER, PROGRAM SET, UNDERWATER MINE	49441	DA

An item designed to transmit and receive the signals required for data transmission between a PROGRAM SET, UNDERWATER MINE and an underwater mine. It is a component part of a program set.

Approved Item Name	INC	App Key
RECEIVER-TRANSMITTER, RADIO	19506	DA

A single component capable of performing the functions of a RECEIVER, RADIO; and TRANSMITTER, RADIO.

RECEIVER-TRANSMITTER, RADIO IDENTIFICATION	53204	DA

A single unit capable of performing the functions of a RECEIVER, RADIO IDENTIFICATION and TRANSMITTER, RADIO IDENTIFICATION.

RECEIVER-TRANSMITTER, RADIO NAVIGATION	53205	DA

A single component capable of performing the functions of a RECEIVER, RADIO NAVIGATION and TRANSMITTER, RADIO NAVIGATION.

RECEIVER-TRANSMITTER, UNDERWATER MINE	41229	DA

An item designed to transmit and receive, without contact, the signals required for data transmission between a PROGRAM SET, UNDERWATER MINE and an underwater mine. It is a component part of an underwater mine.

RECEIVING SET, LORAN	19524	CB

A complete electronic set specifically designed to intercept, demodulate, and present visually the signals from loran transmitters. Loran is an electronic system of hyperbolic navigation utilizing a minimum of three shore based transmitters, a "master" and "slave" stations which produce electromagnetic "fixes" for navigational use of surface vessels and aircraft.

RECEIVING SET, RADIO	19511	CE

A complete electronic set specifically designed to intercept, demodulate and reproduce the radio frequency electromagnetic waves propagated by radio transmitter(s).

Transmitter

1. A device which receives or generates and/or modulates or modifies energy impulse and converts it to another type of energy impulse to permit and/or facilitate transmission.

TRANSMITTER GROUP, COUNTERMEASURES	51585	CD

A collection of items specifically designed for countermeasures. Item, when combined with its associated equipment, provides a source of radio frequency signals which deprives the enemy effective use of his electronic equipment.

Approved Item Name	INC	App Key
TRANSMITTER (1), ORDER WIRE	11104	DC

A transmitter specifically designed to provide circuits for administration and maintenance in connection with a radio relay system.

TRANSMITTER, RADIO	19436	DC

A single component specifically designed to generate electrical signals of specific frequency and form, which, when fed to an antenna, will propagate radio frequency electromagnetic waves in space. May include facilities for amplification and/or integral modulator. See also TRANSMITTER, RADAR.

TRANSMITTER, RADIO IDENTIFICATION	53209	DC

A single unit specifically designed to generate radio frequency energy of a specific frequency and coded form to identify a specific aircraft or ship. This unit may be a stand-alone type unit or form part of a receiver-transmitter, radio identification.

TRANSMITTER, RADIO NAVIGATION	53208	DC

A single component specifically designed to generate electrical signals of specific frequency and form, which, when fed to an antenna, will propagate radio frequency electromagnetic waves in space. See also TRANSMITTER as modified.

TRANSMITTER, TELEVISION	19437	DC

An single component specifically designed to generate, amplify, and transmit an electrical signal that has been modulated by the output from a television camera(s) and associated circuit(s).

TRANSMITTING SET, ELECTRONIC GUIDANCE SIGNALS	19515	CD

A fixed number of components and/or items, not all having the same basic name, that transmits radio signals, the characteristics of which provide control, either directly or through a human intermediary of an aircraft, ship, land vehicle, or other carrier, in which compatible guidance signal receiving equipment is installed. The equipment does not include voice transmitting facilities. It may transmit command-to-execute signals in addition to guidance signals.

TRANSMITTING SET, INFRARED	01074	CD

A complete electronic set required to operate a system designed to generate and propagate infrared frequency energy which may carry intelligence.

TRANSMITTING SET, RADIO	19516	CD

A complete electronic set for the propagation of radio frequency electromagnetic waves in space.

Approved Item Name	INC	App Key
TRANSMITTING SET, TELEMETRIC DATA	02037	CD

A complete electronic set designed to propagate radio frequency energy carrying meter or instrument data as modulation on a carrier.

TRANSMITTING SET, TELEVISION	19517	CD

A complete electronic set specifically designed to amplify, modulate and transmit the electrical impulses produced by a television camera(s). May include camera and/or audio channels.

TRANSPONDER, RADAR	52972	DB

A transciever that responds to tracking/search radar interrogation.

TRANSPONDER, RADIO	50282	DB

A unit (receiver-transmitter) that receives a coded signal from an Interrogator (Set), processes and automatically transmits a coded reply to the Interrogator (Set).

TUNER, TRANSMISSION LINE	04208	AA

An item designed to be inserted in a transmission line and which can be controlled to electrically lengthen or shorten the line so as to minimize its standing wave ratio. See also TUNER, WAVEGUIDE and NETWORK, IMPEDANCE MATCHING.

TUNER, WAVEGUIDE	01875	BA

An item designed to be inserted in a waveguide and which can be controlled to electrically increase or decrease its dimensions so as to minimize the standing wave ratio. See also TUNER, TRANSMISSION LINE.

APPLICABILITY KEY INDEX

	AA
NAME	X
ABHP	AR
ABMK	AR
ABFY	AR
ADAV	AR
ABKW	AR
ADUM	AR
APTT	X
APHM	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
AFJK	AR
AMQY	AR
BBJC	AR
BCYR	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

	BA
NAME	X
AREG	X
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
MATL	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
AFJK	AR
AMQY	AR
BBJC	AR
BCYR	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

	CA	CB	CC	CD	CE
NAME	X	X	X	X	X
AKWC	AR	AR	AR	AR	AR
ACYN	AR	AR	AR	AR	AR
ACZB	AR	AR	AR	AR	AR
FAAZ	AR	AR	AR	AR	AR
ACYR	AR	AR	AR	AR	AR
ALSF	AR	AR	AR	AR	AR
ANKX			X	X	X
AMMS			AR	AR	
APTT	X	X	X	X	X
ANMQ		X	X	AR	AR
ANLC				AR	AR
AYPP				AR	
BCXG				AR	
ANJJ				AR	
AFHS	AR	AR	AR	AR	AR
AKVY	AR	AR	AR	AR	AR
AZCG	AR	AR	AR	AR	AR
AKVZ	AR	AR	AR	AR	AR
AJJY	AR	AR	AR	AR	AR
AJJZ	AR	AR	AR	AR	AR
AJKA	AR	AR	AR	AR	AR
AJKB	AR	AR	AR	AR	AR
AKWA	AR	AR	AR	AR	AR
AKWB	AR	AR	AR	AR	AR
AMKD		AR			AR
BCXH		X			
BCXJ		X			
APHE			X		
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR
AMQY	AR	AR	AR	AR	AR
BBJC	AR	AR	AR	AR	AR
BCYR	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
FCLS	AR	AR	AR	AR	AR

FTLD	AR	AR	AR	AR	AR
TMDN	AR	AR	AR	AR	AR
RTSE	AR	AR	AR	AR	AR
RDAL	AR	AR	AR	AR	AR
NTRD	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR

	DA	DB	DC
NAME	X	X	X
AKWC	AR	AR	AR
ACYN	AR	AR	AR
ACZB	AR	AR	AR
FAAZ	AR	AR	AR
ACYR	AR	AR	AR
ALSF	AR	AR	AR
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ABFY	AR	AR	AR
ADAV	AR	AR	AR
ABKW	AR	AR	AR
ADUM	AR	AR	AR
AKWA	AR	AR	AR
AKWB	AR	AR	AR
BCXN	X		X
AMMS	AR		AR
APTS	X		X
AMKE	AR		AR
AMKM	AR		AR
BCXP	X	X	
APTQ	X	X	
AMKP	AR	AR	
AMKQ	AR	AR	
BCXS		X	
BCXT		X	
BCXW		X	
AMNE		AR	
AYPP			AR
BCXG			AR
ANJJ			AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ENAC	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AGAV	AR	AR	AR
AFJK	AR	AR	AR
AMQY	AR	AR	AR
BBJC	AR	AR	AR
BCYR	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR

SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR

	EA
NAME	X
APTT	X
ANMQ	X
BCYC	X
AMKD	AR
BCXH	X
BCXJ	X
AKWC	AR
ACYN	AR
ACZB	AR
FAAZ	AR
ACYR	AR
ALSF	AR
ABHP	AR
ABFY	AR
ABMK	AR
ADAV	AR
ABKW	AR
ADUM	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ENAC	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
AFJK	AR
AMQY	AR
BBJC	AR
BCYR	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED04208*)

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA198.0*; ABHPJAB7.750$$JAC8.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA62.5*; ABMKJAB2.405$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA60.0*; ABFYJAB2.395$$JAC2.405*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA60.0*; ADAVJAB2.395$$JAC2.405*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA62.5*; ABKWJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA62.5*; ADUMJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APTT J OPERATING FREQUENCY

Definition: THE FREQUENCY AT WHICH THE ITEM FUNCTIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTTJKA4.999*; APTTJGB1.200$$JGC1.600*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APHM J TRANSMISSION LINE CHARACTERISTIC IMPEDANCE

APP Key	MRC	Mode Code	Requirements

Definition: THE REACTANCE-RESISTANCE COMPLEX VALUE WHICH MUST BE MATCHED BY THE TRANSMISSION LINE TO ACHIEVE LOWEST STANDING WAVE RATIO.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APHMJQA50.0*; APHMJQB510.0$$JQC550.0*)

Table 1

REPLY CODE	REPLY (AA57)
M	MEGOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED01875*)

ALL			
	AREG	D	ADJUSTMENT METHOD

Definition: THE MEANS PROVIDED TO ADJUST AN ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AREGDABC*; AREGDADF$$DADG*)

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA198.0*; ABHPJAB7.750$$JAC8.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA62.5*; ABMKJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA60.0*; ADAVJAB2.395$$JAC2.405*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA62.5*; ABKWJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA60.0*; ABFYJAB2.395$$JAC2.405*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., MATLDFE0000*; MATLDSTB000$DSTD000$$DAG0000*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19552*)

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ, ACYR AND ALSF: IF THE SOLE POWER SOURCE IS SELF-CONTAINED OR A SINGLE EXTERNAL POWER SOURCE IS CITED, REPLY TO MRC AKWC. IF MORE THAN ONE EXTERNAL POWER SOURCE IS CITED, SEE APPENDIX C, TABLE 1 FOR ENTERING INSTRUCTIONS APPLICABLE TO MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF.

ALL* (See Note Above)			
	AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating.Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating.When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC, REPLY TO THESE MRCS AS APPLICABLE.

ALL* (See Notes Above and Preceding MRC AKWC)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, the Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYN1AJVB109.5$$JVC110.5; ACYN1BJVB109.0$$JVC111.0*; ACYN1AJVB114.5$$JVC115.1*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN AND AKWC)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZB1AJEB59.5$$JEC60.5)*

If multiple replies were established for MRC ACYN, reply to MRC ACZB in the same sequence. (e.g., ACZB1AJEB59.5$$JEC60.5; ACZB1BJEB399.0$$JEC401.0*)*

Table 1

REPLY CODE	REPLY (AC32)

APP Key	MRC	Mode Code	Requirements
		G	GIGAHERTZ
		E	HERTZ
		K	KILOHERTZ
		M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWD)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, and the Reply Code from Table 1 below. (e.g., FAAZ1ADB$DC)*

If multiple replies were established for MRC ACYN, reply to MRC FAAZ in the same sequence.(e.g., FAAZ1ADA$DB; FAAZ1BDB$DC*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, and the Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g. ACYR1AJVB109.5$$JVC110.5; ACYR1BJVB11.9$$JVC12.1*; ACYR1CJVB23.9$$JVC24.1*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS

APP Key	MRC	Mode Code	Requirements
		M	MEGAVOLTS
		U	MICROVOLTS
		L	MILLIVOLTS
		V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable I/SAC from Appendix C , Table 1, and the Reply Code from Table 1 below. (e.g., ALSF1ADB)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

CC, CD, CE

ANKX D EMISSION TYPE

Definition: A CLASSIFICATION OF RADIO FREQUENCY EMISSIONS IN WHICH THE TYPE OF MODULATION, TRANSMISSION, AND/OR SUPPLEMENTARY CHARACTERISTICS ARE REPRESENTED BY SYMBOLS.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., ANKXDAAM*; ANKXDAAZ$$DABA*)

CC*, CD*

AMMS J POWER OUTPUT

Definition: THE AMOUNT OF ELECTRICAL POWER WHICH THE ITEM IS CAPABLE OF PRODUCING.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMMSJLA1.500*; AMMSJLB1.000$$JLC4.000*)

For transmitters with more than one type of emission, use AND condition coding ($$).(e.g., AMMSJWA50.000$$JWA100.000*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APTT J OPERATING FREQUENCY

Definition: THE FREQUENCY AT WHICH THE ITEM FUNCTIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTTJMA9.455*; APTTJMB450.000$$JMC550.000*; APTTJMA550.000$$JMA600.000*)

For BEACON SET, RADIO enter transmitter frequencies.

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

CB, CC, CD*, CE*

ANMQ A CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANMQA4*)

CD*, CE*

ANLC A FREQUENCY BAND QUANTITY

Definition: THE NUMBER OF SPECIFIED RANGES OF FREQUENCIES OR WAVELENGTHS OPERATING BETWEEN TWO STATED LIMITS.

Reply Instructions: Enter the quantity. (e.g., ANLCA2*)

CD*

AYPP D FREQUENCY CONTROL TYPE

Definition: INDICATES THE TYPE OF FREQUENCY CONTROL PROVIDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYPPDABR*; AYPPDABR$DABS$$DABW*)

REPLY CODE	REPLY (AL37)
A	ANY ACCEPTABLE
ABR	CRYSTAL
ABS	MASTER OSCILLATOR
ABW	SYNTHESIZED

NOTE FOR MRCS BCXG AND ANJJ: IF REPLY CODE ABW IS ENTERED FOR MRC AYPP, REPLY TO MRCS BCXG AND ANJJ.

CD* (See Note Above)

BCXG A FIXED CRYSTAL QUANTITY

Definition: THE NUMBER OF FIXED CRYSTALS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BCXGA2*; BCXGA3$$A4*)

CD* (See Note Preceding MRC BCXG)

APP Key	MRC	Mode Code	Requirements
	ANJJ	J	CHANNEL FREQUENCY SEPARATION

Definition: AN INDICATION OF THE FREQUENCY SPACING BETWEEN CHANNELS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the minimum channel spacing numeric value. (e.g., ANJJJK2.0*; ANJJJK10.0$$JK20.0*)

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

ALL*

	AFHS	A	ACCESSORY COMPONENT QUANTITY

Definition: THE NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the quantity. (e.g., AFHSA4*)

For multiple accessory components having different characteristics, use AND condition coding ($$) entering the quantity of each.(e.g., AFHSA1$$A3*)

ALL*

	AKVY	G	ACCESSORY CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION THAT CONTROLS THE MANUFACTURER OF THE ACCESSORY ITEM.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKVYGSIGNAL CORPS; JETDS*)

ALL*

	AZCG	G	ACCESSORY COMPONENT NAME

Definition: THE NAME OF THE ACCESSORY COMPONENT ASSIGNED BY THE CONTROLLING AGENCY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AZCGGRECEIVER; CASE*)

ALL*

AKVZ J ACCESSORY IDENTIFYING NUMBER

Definition: THE SPECIFIC NUMBER USED TO IDENTIFY THE ACCESSORY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AKVZJAE79614*; AKVZJAC342B$$JAE84249*)

REPLY CODE	REPLY (AG99)
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AM	STOCK NO.
AF	TYPE NO.

ALL*

AJJY A DOCUMENT SOURCE

Definition: THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE GOVERNMENT AGENCY, INDUSTRIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS THE DOCUMENT.

Reply Instructions: Enter the 5-digit CAGE Code. (e.g., AJJYA12345*; AJJYA63501$$A29805*)

ALL*

AJJZ D DOCUMENT TYPE

Definition: INDICATES THE TYPE OF DOCUMENT BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., AJJZDAB*; AJJZDAH$$DAB*)

ALL*

AJKA A DOCUMENT IDENTIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.

Reply Instructions: Enter the number of the document.

(e.g., AJKAAMIL-F-1234*;

AJKAASIG7$$ASIG8*)

ALL*

AJKB A COMPONENT DOCUMENT PAGE NUMBER

Definition: THE PAGE NUMBER INDICATING THE LOCATION OF THE COMPONENT(S) LISTING IN THE DOCUMENT.

Reply Instructions: Enter the page number. (e.g., AJKBA119*; AJKBA18$$A19*)

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

CB*, CE*

AMKD D INDICATOR TYPE

Definition: INDICATES THE TYPE OF DEVICE USED TO REGISTER THE CONDITION(S).

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AMKDDACJ*; AMKDDADG$$DADS*)

CB

BCXH A TIME DIFFERENCE READING QUANTITY

Definition: THE NUMBER OF READINGS REQUIRED TO OBTAIN TIME DIFFERENCE.

Reply Instructions: Enter the quantity. (e.g., BCXHA2*; BCXHA2$A3*)

CB

BCXJ A REPETITION RATE SELECTION QUANTITY

Definition: THE NUMBER OF REPETITION RATES THAT CAN BE SELECTED.

Reply Instructions: Enter the quantity. (e.g., BCXJA24*; BCXJA8$A14*)

CC

APHE D OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDJN*; APHEDJN$DJP*)

REPLY CODE	REPLY (AC58)
JN	AUTOMATICALLY TRIGGERED
JP	INDEPENDENT

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19506*)

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF THE SOLE POWER SOURCE IS SELF-CONTAINED OR A SINGLE EXTERNAL POWER SOURCE IS CITED, REPLY TO MRC AKWC. IF MORE THAN ONE EXTERNAL POWER SOURCE IS CITED, SEE APPENDIX C, TABLE 1 FOR ENTERING INSTRUCTIONS APPLICABLE TO MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF.

ALL* (See Note Above)			
	AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating.Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating.When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC REPLY TO THESE MRCS AS APPLICABLE.

ALL* (See Notes Above and Preceding MRC AKWC)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVB109.5$$JVC110.5*; ACYN2AAJVB109.5$$JVC110.5*; ACYN2BAJVB114.5$$JVC115.5*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB59.5$$JEC60.5*)

If multiple replies were established for MRC ACYN, reply to MRC ACZB in the same sequence.(e.g., ACZB2AAJEB59.5$$JEC60.5*; ACZB2BAJEB399.0$$JEC401.0*)

Table 1

REPLY CODE	REPLY (AC32)

APP Key	MRC	Mode Code	Requirements
		G	GIGAHERTZ
		E	HERTZ
		K	KILOHERTZ
		M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDB$DC*)

If multiple replies were established for MRC ACYN, reply to MRC FAAZ in the same sequence.(e.g., FAAZ2AADA$DB*; FAAZ2BADB$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0*; ACYRJVB109.5$$JVC110.5*; ACYR2AAJVB11.9$$JVC12.1*; ACYR2BAJVB23.5$$JVC24.5*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS

APP Key	MRC	Mode Code	Requirements
		M	MEGAVOLTS
		U	MICROVOLTS
		L	MILLIVOLTS
		V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB*; ALSF1ADB*; ALSF1BDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA198.0*; ABHPJAB7.995$$JAC8.005*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*;ABMKJLA62.5*; ABMKJAB3.245$$JAC3.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA60.0*; ABFYJAB3.245$$JAC3.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA60.0*; ADAVJAB3.245$$JAC3.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA62.5*; ABKWJAB3.245$$JAC3.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA62.5*; ADUMJAB3.245$$JAC3.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKWAGPUBLIC ADDRESS SET; RADIO SET; ECEIVER TRANSMITTER*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

APP Key	MRC	Mode Code	Requirements

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., AKWBGAN/TIPIA; TYPE NO. R257/U*)

DA, DC

BCXN D TRANSMITTER EMISSION TYPE

Definition: INDICATES A CLASSIFICATION OF RADIO FREQUENCY EMISSIONS IN WHICH THE TYPE OF MODULATION, TRANSMISSION, AND/OR SUPPLEMENTARY CHARACTERISTICS ARE REPRESENTED BY SYMBOLS.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., BCXNDAAW*; BCXNDAAZ$$DABA*)

DA*, DC*

AMMS J POWER OUTPUT

Definition: THE AMOUNT OF ELECTRICAL POWER WHICH THE ITEM IS CAPABLE OF PRODUCING.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMMSJMA15.000*; AMMSJMB255.000$$JMC275.000*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
R	MEGAWATTS
C	MICROWATTS
M	MILLIWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA, DC

APP Key	MRC	Mode Code	Requirements
	APTS	J	OUTPUT FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE OUTPUT IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTSJMA149.975*; APTSJMB450.000$$JMC550.000*; APTSJMA550.000$$JMA600.000*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA*, DC*

AMKE A TRANSMITTER BAND QUANTITY

Definition: THE NUMBER OF BANDS INCORPORATED IN THE TRANSMITTER.

Reply Instructions: Enter the quantity. (e.g., AMKEA4*; AMKEA1$A10*; AMKEA1$$A10*)

DA*, DC*

AMKM A TRANSMITTER CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS INCORPORATED IN THE TRANSMITTER.

Reply Instructions: Enter the quantity. (e.g., AMKMA1750*; AMKMA1$A1$$A1*)

DA, DB

BCXP D RECEIVER EMISSION TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES A CLASSIFICATION OF RADIO FREQUENCY EMISSIONS IN WHICH THE TYPE OF MODULATION, TRANSMISSION, AND/OR SUPPLEMENTARY CHARACTERISTICS ARE REPRESENTED BY SYMBOLS.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., BCXPDAAM*; BCXPDAAL$$DAAN*)

DA, DB

APTQ J INPUT FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH THE INPUT IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTQJMA149.975*; APTQJMB450.000$$JMC550.000*; APTQJMA550.000$$JMA50.000*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA*, DB*

AMKP A RECEIVER BAND QUANTITY

Definition: THE NUMBER OF BANDS INCORPORATED IN THE RECEIVER.

Reply Instructions: Enter the quantity. (e.g., AMKPA2*; AMKPA1$A10*)

DA*, DB*

AMKQ A RECEIVER CHANNEL QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF CHANNELS INCORPORATED IN THE RECEIVER.

Reply Instructions: Enter the quantity. (e.g., AMKQA126*; AMKQA1$$A1*)

DB

BCXS D GUARD CHANNEL

Definition: AN INDICATION OF WHETHER OR NOT A GUARD CHANNEL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCXSDB*)

A guard channel is a separate function of a receiver which allows a specific frequency (usually distress) to be listened to simultaneously with another frequency(ies) or channel(s).

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

DB

BCXT D AUXILIARY BANDSPREAD TUNING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN AUXILIARY BANDSPREAD TUNING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCXTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

DB

BCXW D PLUG-IN TUNING UNIT

APP
Key MRC Mode Code Requirements

Definition: AN INDICATION OF WHETHER OR NOT A PLUG-IN TUNING UNIT(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCXWDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

DB*

AMNE J OUTPUT IMPEDANCE RATING

Definition: THE TOTAL OPPOSITION (RESISTIVE AND REACTIVE) PRESENTED BY THE ITEM TO AN ALTERNATING CURRENT LOAD.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMNEJQRA225.0*; AMNEJQRB50.0$$JQRC600.0*; AMNEJQRA135.0$$JQRA600.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N.

Table 1

REPLY CODE	REPLY (AE75)
KR	KILOHMS
MR	MEGOHMS
QR	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DC*

AYPP D FREQUENCY CONTROL TYPE

Definition: INDICATES THE TYPE OF FREQUENCY CONTROL PROVIDED WITH THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYPPDABR*; AYPPDABR$$DABS*)

REPLY CODE	REPLY (AL37)
A	ANY ACCEPTABLE
ABR	CRYSTAL
ABS	MASTER OSCILLATOR
ABW	SYNTHESIZED

NOTE FOR MRCS BCXG AND ANJJ: IF REPLY CODE ABW IS ENTERED FOR MRC AYPP, REPLY TO MRCS BCXG AND ANJJ.

DC* (See Note Above)

BCXG A FIXED CRYSTAL QUANTITY

Definition: THE NUMBER OF FIXED CRYSTALS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., BCXGA1*; BCXGA1$A2*)

DC* (See Note Preceding MRC BCXG)

ANJJ J CHANNEL FREQUENCY SEPARATION

Definition: AN INDICATION OF THE FREQUENCY SPACING BETWEEN CHANNELS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANJJJK50.0*; ANJJJK10.0$$JK20.0*)

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED19523*)

ALL			
	APTT	J	OPERATING FREQUENCY

Definition: THE FREQUENCY AT WHICH THE ITEM FUNCTIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APTTJMA1.750*; APTTJMB450.000$$JMC550.000*; APTTJKA550.000$$JKA600.000*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	ANMQ	A	CHANNEL QUANTITY

Definition: THE NUMBER OF CHANNELS ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ANMQA4*)

ALL			
	BCYC	D	INTEGRAL INDICATOR

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL INDICATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCYCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

AMKD D INDICATOR TYPE

Definition: INDICATES THE TYPE OF DEVICE USED TO REGISTER THE CONDITION(S).

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AMKDDAFM*; AMKDDAHF$DAHG*)

ALL

BCXH A TIME DIFFERENCE READING QUANTITY

Definition: THE NUMBER OF READINGS REQUIRED TO OBTAIN TIME DIFFERENCE.

Reply Instructions: Enter the quantity. (e.g., BCXHA2*; BCXHA3$A4*)

ALL

BCXJ A REPETITION RATE SELECTION QUANTITY

Definition: THE NUMBER OF REPETITION RATES THAT CAN BE SELECTED.

Reply Instructions: Enter the quantity. (e.g., BCXJA48*; BCXJA5$A8$$A10*)

NOTE FOR MRCS AKWC, ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF THE SOLE POWER SOURCE IS SELF-CONTAINED OR A SINGLE EXTERNAL POWER SOURCE IS CITED, REPLY TO MRC AKWC. IF MORE THAN ONE EXTERNAL POWER SOURCE IS CITED, SEE APPENDIX C, TABLE 1 FOR ENTERING INSTRUCTIONS APPLICABLE TO MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB*)

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating.Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating.When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, AND ALSF: IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC, REPLY TO THESE MRCS AS APPLICABLE.

ALL* (See Notes Above and Preceding MRC AKWC)

	ACYN	J	AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVB109.0$$JVC110.0*; ACYN2AAJVB109.5$$JVC110.5*; ACYN2BAJVB114.5$$JVC115.5*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS

APP Key	MRC	Mode Code	Requirements
		L	MILLIVOLTS
		V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0$$JEC60.0*)

If multiple replies were established for MRC ACYN, reply to MRC ACZB in the same sequence.(e.g., ACZB2AAJEB59.5$$JEC60.5*; ACZB2BAJEB399.5$$JEC400.5*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDB$DC*)

APP Key	MRC	Mode Code	Requirements

If multiple replies were established for MRC ACYN, reply to MRC FAAZ in the same sequence. (e.g., FAAZ2AADA$DB*; FAAZ2BADB$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
E	SINGLE/THREE
C	THREE
B	TWO

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0*; ACYRJVB105.0$$JVC115.0*; ACYR2AAJVB119.0$$JVC121.0*; ACYR2BAJVB239.0$$JVC241.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Notes Preceding MRCs ACYN and AKWC)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB*; ALSF1ADB*; ALSF1BDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA198.0*; ABHPJAB7.750$$JAC8.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA60.0*; ABFYJAB2.399$$JAC2.401*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP
Key MRC Mode Code Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA62.5*; ABMKJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA60.0*; ADAVJAB2.395$$JAC2.405*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA62.5*; ABKWJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: A MEASUREMENT OF THE OVERALL DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA62.5*; ADUMJAB2.495$$JAC2.505*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA*)

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

APP Key	MRC	Mode Code	Requirements
ALL*	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

	ENAC	D	ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDH1*)

REPLY CODE	REPLY (EN02)
H1	LOW STANDBY POWER — AUDIO PRODUCTS — AUDIO PRODUCTS

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC16.0*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL			
	AMQY	D	INSTALLATION DESIGN

Definition: THE INSTALLATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMQYDAH*; AMQYDAH$$DAF*)

REPLY CODE	REPLY (AJ17)
AH	AIRBORNE
A	ANY ACCEPTABLE
AJ	FIXED
AK	MOBILE
AF	PORTABLE
AL	SEABORNE

APP Key	MRC	Mode Code	Requirements
		AM	TRANSPORTABLE

ALL

BBJC G DOCUMENT CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY, COMMERCIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS THE DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., BBJCGUSMC*)

ALL

BCYR D VEHICLE FOR WHICH DESIGNED

Definition: THE VEHICLE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BCYRDAHX*)

REPLY CODE	REPLY (AH21)
AHX	AIRCRAFT
AZK	AIRCRAFT CARRIER
A	ANY ACCEPTABLE
ABX	HELICOPTER
AHY	SHIP
ACA	SUBMARINE
AHZ	SURFACE VESSELS
ABY	TRAILER
ABZ	TRUCK

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM

APP Key	MRC	Mode Code	Requirements
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

APP Key	MRC	Mode Code	Requirements

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION,CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter date appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

ZZZP J PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE)Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL*

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - ADJUSTMENT METHODS

ADJUSTMENT METHODS

REPLY CODE	REPLY (AL41)
ADN	ADJUSTABLE SCREW
ACL	ALIGNMENT TOOL
ACM	ALLEN WRENCH
A	ANY ACCEPTABLE
ADA	AUTOTUNED
AAP	CAPACITOR
AAY	CAVITY
ABA	COIL
ABF	COIL SLUG
ABG	COIL TAP
ABH	CORE
ABL	COUPLING
ABN	DISC SLUG
ADC	ELECTROMAGNETIC
ACQ	EXTERNAL KNOB
ABJ	FERRITE CORE
ADD	FIXED
ACR	FRONT PANEL KNOB
ACN	GEAR DRIVE
ABP	INDUCTOR
ADF	INSIDE ROTATING
ADG	INSIDE SLIDING
ACP	KNOB
ACS	KNURLED NUT
ADE	KNURLED NUT ACTUATED INSIDE PLUNGER
ACT	LOCKING NUT ARRANGEMENT
ABS	LOOP
ADH	MICROMETER
ADP	MICROMETER SCREW
ADJ	MOVABLE DIELECTRIC BLOCK
ADK	MOVABLE FINGER WIPING CONTACT
ABT	MOVABLE LOOP
ADL	OUTSIDE COMPRESSION
AAW	PADDER CAPACITOR
AAK	PLUG-IN
ABW	PLUNGED TYPE CAVITY OSCILLATOR
ABK	POWDERED IRON CORE
AAF	ROTARY SWITCH
ADM	SCREW
ACW	SCREWDRIVER
ACX	SHAFT
ABY	SHORTING BAR
ABB	SHORTING INDUCTOR COIL

REPLY CODE	REPLY (AL41)
ACB	SHORTING STUB
ACD	SHORTING TYPE SLIDING BAR
ACA	SLIDING TYPE SHORTING CONTACT
ACE	SLUG
ACY	SLUG TUNING TOOL
ACZ	TAP SWITCHING
ACF	TRANSFORMER SLUG
AAX	TRIMMER CAPACITOR
ABC	TRIMMER COIL
ACG	TUNED COIL SLUG
ACJ	TUNING NETWORK
AAH	VARIABLE CAPACITOR
AAZ	VARIABLE CAVITY
ABD	VARIABLE COIL
ABM	VARIABLE COUPLING
ABE	VARIABLE COUPLING COIL
ABQ	VARIABLE INDUCTOR
ABR	VARIABLE LINE
ABX	VARIABLE POTENTIOMETER
AAJ	VARIABLE RESISTOR
ABZ	VARIABLE SHORTING BAR
ACC	VARIABLE SHORTING STUB
ACH	VARIABLE TRANSFORMER
ACK	VARIOMETER
ADB	VERNIER SCREW

Table 2 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
A	ANY ACCEPTABLE
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BN0000	BRONZE
CU0000	COPPER
CK0000	COPPER ALLOY
GSAQ00	GLASS, METALLIZED
FE0000	IRON
	Iron Nickel Alloy (use Reply CODENFAE00)
ZZR000	MULTIMATERIAL
NFAE00	NICKEL-IRON
AG0000	SILVER
ST0000	STEEL
ST1052	STEEL, CARBON
STB000	STEEL, CORROSION RESISTING

REPLY CODE	REPLY (AD09)
STD000	STEEL, STAINLESS

Table 3 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER

REPLY CODE	REPLY (AD08)
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY

REPLY CODE	REPLY (AD08)
WT	WEIGHT
WD	WIDTH

Table 4 - EMISSION TYPES

EMISSION TYPES

REPLY CODE	REPLY (AJ76)	Definition
ADX	A2J	AMPLITUDE, TELEGRAPHY BY THE ON/OFF KEYING, SUPPRESSED CARRIER
ABJ	A5	AMPLITUDE TELEVISION
ABK	A9	DOUBLE SIDEBAND, AMPLITUDE MODULATION, DIGITAL
AAF	F4	FACSIMILE BY DIRECT FREQUENCY MODULATION OF THE CARRIER
AAG	A4A	FACSIMILE SINGLE SIDEBAND, REDUCED CARRIER
AAH	A4	FACSIMILE (WITH MODULATION OF MAIN CARRIER EITHER DIRECTLY OR BY A FREQUENCY MODULATED SUBCARRIER)
AAJ	F6	FOUR FREQUENCY DIPLEX TELEGRAPHY
AAD	F9	FREQUENCY MODULATED MAIN CARRIER
AAK	A7A	MULTICHANNEL VOICE FREQUENCY TELEGRAPHY, SINGLE SIDE BAND, REDUCED CARRIER
AAB	PO	PULSED CARRIER W/O MODULATION
AAE	P9	PULSE MODULATED MAIN CARRIER
ABM	P1	PULSE TELEGRAPH WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY.
AAL	F1	TELEGRAPHY BY FREQUENCY SHIFT KEYING WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY. ONE OF TWO FREQUENCIES BEING EMITTED AT ANY INSTANT.
AAN	F2	TELEGRAPHY BY THE ON-OFF KEYING OF A FREQUENCY MODULATING AUDIO FREQUENCY OR BY THE ON-OFF KEYING OF A FREQUENCY MODULATED EMISSION.
AAQ	P2F	TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF A MODULATED PULSE CARRIER AUDIO FREQUENCY OR FREQUENCIES MODULATING THE PHASE OR POSITION OF THE PULSES.
AAR	P2E	TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF A MODULATED PULSE CARRIER AUDIO FREQUENCY OR AUDIO FREQUENCIES MODULATING THE WIDTH OR DURATION OF THE PULSES.
AAP	P2D	TELEGRAPHY BY THE ON-OFF KEYING OF A MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES, OR BY THE ON-OFF KEYING OF A MODULATED PULSE CARRIER AUDIO FREQUENCY OR FREQUENCIES MODULATING THE AMPLITUDE OF THE PULSE.
AAS	P1D	TELEGRAPHY BY THE ON-OFF KEYING OF A PULSED CARRIER WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY.
AAM	A2	TELEGRAPHY BY THE ON-OFF KEYING OF AN AMPLITUDE-

REPLY CODE	REPLY (AJ76)	Definition
		MODULATING AUDIO FREQUENCY OR AUDIO FREQUENCIES OR BY THE ON-OFF KEYING OF THE MODULATED EMISSION.
AAT	A1	TELEGRAPHY WITHOUT THE USE OF A MODULATING AUDIO FREQUENCY (BY ON-OFF KEYING).
AAW	F3	TELEPHONY
AAX	P3D	TELEPHONY, AMPLITUDE MODULATED PULSES.
AAY	P3G	TELEPHONY, CODEMODULATED PULSES AFTER SAMPLING QUANTIZATION.
AAZ	A3	TELEPHONY, DOUBLE SIDEBAND
ABA	P3F	TELEPHONY, PHASE OR POSITION MODULATED PULSES
ABB	A3A	TELEPHONY, SINGLE SIDEBAND(S), REDUCED CARRIER
ABC	A3J	TELEPHONY, SINGLE SIDEBAND(S), SUPPRESSED CARRIER
ABD	A3B	TELEPHONY, TWO INDEPENDENT SIDEBANDS
ABE	P3E	TELEPHONY, WIDTH OR DURATION MODULATED PULSES
AAC	A9B	TELEPHONY AND TELEGRAPHY COMBINATION, TWO INDEPENDENT SIDEBANDS
ABF	F5	TELEVISION
ABG	A5C	TELEVISION VESTIGAL SIDEBAND
ABH	A0	WITH NO MODULATION

Table 5 - INDICATOR TYPES

INDICATOR TYPES

REPLY CODE	REPLY (AJ12)
A	ANY ACCEPTABLE
ADG	AUDIO
ADS	CATHODE RAY TUBE
AHF	DIGITAL DISPLAY
AHG	DIGITAL INDICATOR TUBE
AFM	ELECTRIC METER
ADQ	INDICATING LIGHT
ACE	LIGHT
ACJ	METER
AFP	RECORDER
AHH	ROTATING COUNTER
ADC	VIDEO

Table 6 - DOCUMENT TYPES

DOCUMENT TYPES

REPLY CODE	REPLY (AF70)
BD	BILL OF MATERIAL
DX	DRAWING
AN	ENGINEERING DRAWING
AE	FEDERAL SPECIFICATION

REPLY CODE	REPLY (AF70)
EJ	INSTRUCTION BOOK
AT	INSTRUCTION MANUAL
EG	MAINTENANCE INSTRUCTION HANDBOOK
AC	MILITARY SPECIFICATION
AF	MILITARY STANDARD
AR	NOMENCLATURE CARD
BT	PARTS LIST
DW	PRELIMINARY INSTRUCTION BOOK
CY	PROCUREMENT PARTS LIST
AS	REPAIR PARTS LIST
AH	SUPPLY CATALOG
AJ	SUPPLY MANUAL
AB	TECHNICAL MANUAL
AG	TECHNICAL ORDER
AD	TRAINING MANUAL

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

SPECIAL SECONDARY ADDRESS CODING

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, change the second alpha to indicate the reply. For example: ALTERNATE OPERATING POWER EQUIPMENT shows AC Voltage 110V, 115V, 120V code as ACYN1AJVA110.0* ACYN1BJVA115.0* ACYN1CJVA120.0*.

ACYN1AJVA110.0*

ACYN1BJVA115.0*

ACYN1CJVA120.0*.

SPECIAL SECONDARY SEQUENCE CODING for MRCs ACYN, ACZB, FAAZ, ACYR, and ALSF.

REPLY CODE	REPLY (0360)
1A	1ST ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1N	2ND OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT

REPLY CODE	REPLY (0360)
1T	7TH OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective September 3, 2010.

This change replaced with ISAC or and/or coding.